CLAIMS

1. A reproducing apparatus comprising:

reproducing means for reproducing video data and audio data;

viewpoint detecting means for detecting a viewpoint of a user;

discriminating means for discriminating a degree of an interest of said user in the video data and the audio data which are reproduced from detection information obtained by said viewpoint detecting means; and

control means for changing reproducing characteristics of at least either of said video data and said audio data on the basis of a discrimination result obtained from said discriminating means.

2. A reproducing apparatus according to claim 1, wherein said viewpoint detecting means is means for detecting a target of the viewpoint.

3. A reproducing apparatus according to claim 2, wherein said target of the viewpoint is a display on which said video data is displayed.

4. A reproducing apparatus according to claim 1, wherein said viewpoint detecting means is means for detecting a change in viewpoint.

5. A reproducing apparatus according to claim 1, wherein said discriminating means discriminates a state of said user on the basis of a ratio at which the viewpoint

is detected for a predetermined time by said viewpoint detecting means.

6. A reproducing apparatus according to claim 5, wherein said control means reproduces the video data when the ratio of the viewpoint which is detected by said discriminating means is large, and said control means stops the reproduction of said video data and reproduces data other than said video data when the ratio of the viewpoint is small.

7. A reproducing apparatus according to claim 5, wherein said discriminating means discriminates at least two of the following three states: a first state where the user monitors the reproduced video data and audio data; a second state where the user monitors the reproduced video data and audio data while doing another work; and a third state where the user concentrates on said another work.

8. A reproducing apparatus according to claim 1, wherein said control means controls the reproducing characteristics of the audio data.

9. A reproducing apparatus according to claim 8, wherein said control means controls a sound volume level of said audio data on the basis of said discrimination result.

10. A reproducing apparatus according to claim 8, wherein said control means changes a frequency band of said audio data on the basis of said discrimination result.

11. A reproducing apparatus according to claim 8, wherein said control means executes emphasis or suppression of a predetermined frequency band of said audio data on the

basis of said discrimination result.

12. A reproducing apparatus according to claim 1, wherein said control means controls the reproducing characteristics of the video data.

13. A reproducing apparatus according to claim 12, wherein said control means controls a luminance level of said video data on the basis of said discrimination result.

14. A reproducing apparatus according to claim 12, said control means controls resolution of said video data on the basis of said discrimination result.

15. A reproducing method comprising:

a viewpoint detecting step of detecting a viewpoint of a user;

a discriminating step of discriminating a degree of an interest of the user in video data and audio data which are reproduced from detection information obtained by said viewpoint detecting step; and

a control step of changing reproducing characteristics of at least either of said video data and said audio data on the basis of a discrimination result obtained from said discriminating step.

16. A reproducing method according to claim 15, wherein said viewpoint detecting step is a step of detecting a target of the viewpoint.

17. A reproducing method according to claim 15, wherein said viewpoint detecting step is a step of detecting a change in viewpoint.

18. A reproducing method according to claim 15, wherein said discriminating step is a step of discriminates a state of said user on the basis of a ratio at which the viewpoint is detected for a predetermined time by said viewpoint detecting step.

19. A reproducing method according to claim 18, wherein in said discriminating step, at least two of the following three states are discriminated: a first state where the user monitors the reproduced video data and audio data; a second state where the user monitors said reproduced video data and audio data while doing another work; and a third state where the user concentrates on said another work.